

**UTAH WIRELESS INTEGRATED NETWORK (UWIN)
GOVERNANCE BOARD MINUTES**

MAY 12, 2005
10:00 A.M.
EAST BUILDING, BEEHIVE ROOM

Board Members attending:

Dave Burton, UDOT, representing Carlos Baceras
Dave Fletcher, Acting Director, Information Technology Services
Steve Fletcher, CIO Department of Technology Services
Lloyd Johnson, Information Service Director, Department of Natural Resources
Steve Proctor, Director, Utah Communications Agency Network

Staff/Visitors

Phil Bates, MIS Operations, Department of Public Safety
Doug Chandler, Technical Services, Information Technology Services
Randy Fisher, representing Dick Melton, ODOH
Jennifer Hemenway, Utah Analyst, Criminal & Juvenile Justice
Rich Howe, Weber County
Jake Hunt, Utah Communications Agency Network
Nancy McConnell, Product Manager, Information Technology Services
Matt Mortensen, Weber County
Mark Peck, Captain, Salt Lake City Policy Department
Floyd Ritter, Voice Network, Information Technology Services
Jim Stewart, Utah Education Network
Jeanie Watanabe, GOPB, CIO Office
Patsy Winchester, Weber County Sheriff's Office

Conducting: Dave Fletcher

AGENDA

1. Welcome

- 2. Introduction of Stephen Fletcher, currently the state's new CIO and Executive Director of the Department of Technology Services beginning July 1, 2005**
Previous position was with the United States Department of Education, as CIO/CTO
Extensive background in information technology operations, especially network

3. Update on OMNILINK project

Phil Bates

Slide presentation of overview of project which will be posted on the UWIN website.

- Upgrade equipment existing in regional centers in the state to be compatible with equipment along the Wasatch front.
- Upgrade the zone controller and connect the regional centers
- Install conventional coverage for rural areas in Utah with capability of 'talking' to each other
 - Locations upgraded and connected: Cedar City, Vernal, Richfield, Price, National Guard, EOC at Capitol, Millard, and St. George
 - Diagrams of connections
 - Goals for this year
 - June 15-30, 2005 goal is to connect Grand County, San Juan County, Box Elder and Logan. Have a funding source.

- All of state sites with conventional coverage with UCAN users.

4. Update on Mobile Data Network

Doug Chandler, Technology Steering Committee

Power point presentation

- Weber State University study 2001 showed a 40% reduction in obligated time for troopers using the mobile data network in their cars rather than taking it back to the office and re-entering the information.
 - Statewide presentation to dispatch centers to assess interest
 - Because of positive feedback, formed an RFP committee reviewed
 - 2002 contract was awarded
 - 2004 rolled out Phase One of 700 MHz with grant monies from agencies
 - Monies allocated to prevent loading the cost of the infrastructure into the low rate
 - Leverage existing infrastructure
 - Wide area network: Mobile Data first marriage of ITS WAN structure and a wireless radio structure. 22 geographic hubs around the state.
 - Based on open standard Ethernet, anywhere there is an Internet jack a bay station could be plugged in. Using IP addressing a hub could be put in a trunk.
 - All links are encrypted at the application level to keep the bandwidth as open as possible
 - Phase Two still under construction
 - This summer the UHF coverage area will all be converted to 700 MHz on the awarded 700 MHz data contract. The successful vendor is swapping out for free.
 - \$1.2 million dollar grant from Homeland Security got the mobile data project rolling. To get a head start on this next phase, labor costs not included. As new monies become available will move into other areas.
 - Sites in Tooele County are not 700 MHz yet. Will roll off television channels that are still broadcasting right now until later this summer.
 - Public Safety has 200 units are located throughout the state. Every new PS car is getting a mobile device 700 MHz.
 - 200 units up and running are in the Tri-County area.
 - Public Safety 300 more units through the Wasatch front
 - 40 Wasatch county
 - 10 Wayne County
 - 10 Box Elder
 - San Pete no number yet
 - Agencies helping test applications on the network. Good feedback.
 - Rates, product information are available on the UWIN website links
 - \$15 per user per month; we can purchase the modem up front and least it to them over time.
 - Instructions on how to get on the system

5. 700 MHz Plan

Steve Proctor, UCAN

- Planning process over the past 18 months. Final version of the plan 1.8 is on the UWIN website. It has been submitted to the surrounding states for their approval within 30 days; they have to agree to the plan.
 - Established an interregional coordination process to coordinate frequencies on the border areas.

- Approval process is then to turn it into the FCC; two weeks to review by their engineering staff, four weeks out for public comment, FCC four to six months to review plan. Hope to have approved by the end of the year, and then agencies can apply for the frequencies to the regional planning committee to be assigned and approved for licensing.
- 4.9 GHz plan put together in concert with this was due to the Commission today, and it was delivered electronically. Anyone planning to use these frequencies needs to apply to the regional planning committee to do a coordination process and assigned for use.

6. UWIN role as state Interoperability Executive Committee - Spectrum Management

- Frequencies assigned and licensed to the state come under this committee. Plan (drafted by ITS staff) posted on the UWIN website will outline the management of those frequencies. Will be reviewed by UWIN periodically.
- UHF network 25-kilohertz channel originally was 19.2; new 700 MHz started at 64K tested; 128K now available with more upgrades to come. Dave Fletcher reported now have available go up to 150KC channels.

7. 802.11 Secure Wireless Expansion

Nancy McConnell, ITS

Handout for Interoperable state 802.11 Wireless Network Access Sites (Updated: January 28, 2005). Specifically those that are tied to state authentication.

Action: Tim Cornia, Public Safety, to report at the next meeting on the progress for the technology on the ability for other organizations to provide the authentication for another directory and tie into it.

Technology Steering Committee: Tim Cornia, project team leader for Wireless Ethernet; Forrest Roper for Mobile Data, and Boyd Webb for Narrow banding team. These are also on the UWIN website.

Confirmation on funding this week.

8. Status of Blackberry Enterprise Server project

Successfully initiated at the beginning of the Legislature session. Initially 120 licenses which are used up. Another 100 licenses last week. Things have been done to stabilize that service. Comes with address book, local address book, etc. from Novell.

Action: Dave Fletcher to check on the availability of a lookup for the entire address book

9. 2005 Planning Items (approved in the February meeting).

a. Wireless applications development

List for users; trial list has been developed. Dave Fletcher working on posting it on the UWIN website. Discuss at next meeting.

b. Define and test a 4.9 GHz application

Critical to the plan is the licensing of 4.9 GHz in a program manner to avoid the interference of multiple systems being on the same channels.

- Steve Proctor doing a point-to-point test in Summit County
- Commission for regional planning is responsible for the channels; state is responsible to coordinate users.
- Weber County like to have a point-to-multi-point with high-speed connectivity within six weeks, weather cooperating.

Action: Share with UWIN at July meeting.

c. Develop a plan for fiber networks

- Fiber base for connectivity in strategic points. Identify where the fiber exists and where it is shared and leveraging those resources.
- Identify business needs and requirements to apply proper resources for support for statewide agencies. Do we intend to provide connectivity or try to purchase that from a vendor?

- Large vendor purchase or provide internally to make those decisions.
- Collect information to aggregate a direction. Looking at the past history; there isn't anyone here that is not cooperating with another agency. Share resources and services.
- Marriage of wireless and the wired backbone opens many opportunities. The system has set it up to use everywhere with the current equipment.
- Bring funding sources together to have a comprehensive solution.

Action: Proposed to establish a subcommittee from the governing board to identify the following needs.

- Wired resources
- Funding sources

⇒ Involve GOPB in the funding resources for directing appropriations.

- Status of existing high speed, wireless technologies
- Business requirements.

Jim Stewart and Steve Proctor will work on initiating and actively requesting information.

Action: Draft a charter and formulate a group for this task. Draft and email the task to the Board.

Vote unanimous in the affirmative

d. Create a Utah Wireless Application Development Forum

Initial list on Item a. If suggestions to add to the list, contact Dave Fletcher

e. Test mesh modem cards in an incident command environment

Will begin working on this item

f. Support a statewide grid computing initiative

Leverage resources on the grid to solve problems. Allow various users to use a broader range of computer resources. Tied to data centers and networks in general through fiber or wired network.

10. State Wireless IT Assessment Survey

Identifies data needs and resources that exist in state agencies will be available the end of June 2005.

Other Items

Executive Order authorizes Governor to appoint a chair for the UWIN Board and continues with the present administration.

Next meeting June 10, 2005 at 10:00 a.m. in the Beehive Room